

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A method of making aeo-fired, multi-layer laminate ceramic structure comprising the steps of:

providing a plurality of stacked co-fired layers of a predetermined type of co-fired ceramic material including metallization in predetermined patterns on and through said layers;

said stacked layers including depositing a plurality of exposed electrical conductors including leads thereon at predetermined locations on said plurality of stacked layers;

said conductors being of a metal which includes one or more additives to promote adhesion to said ceramic layer on which said conductors are deposited;

depositing a bonding metal layer applied to on top of said conductors at said predetermined locations of said leads and being of said same metal as said conductors, however devoid of said one or more additives so as to enhance bondability of the leads thereonthereto;

wherein the leads are bonded to said bonding metal layer at said predetermined locations; and

depositingwherein the bonding metal layer is applied to the on said conductors prior to a co-firing of said stacked layers of ceramic material and then co-fired co-firing the bonding metal layer along with said layers of ceramic material or depositing the bonding metal layer is applied to the on said conductors and post-fired after an initial co-firing of said layers of ceramic material and then post-firing the bonding metal layer to the conductors; and,

bonding the leads to said bonding metal layer at said predetermined locations.

2. (currently amended) The method of making a~~eo-fired~~, multi-layer laminate ceramic structure according to claim 1 wherein:

said step of applying the bonding metal layer ~~is applied to said~~ conductors comprises bonding the metal layer to said conductors only at said predetermined locations ~~where of said leads are bonded~~.

3. (currently amended) The method of making a ~~eo-fired~~, multi-layer laminate ceramic structure according to claim 1 wherein:

said conductors are of a gold paste with said additives;

said bonding metal layer is of a pure gold paste devoid of said additives.

4. (currently amended) The method of making a ~~eo-fired~~, multi-layer laminate ceramic structure according to claim 1 and additionally including the ~~step of~~ wherein:

forming respective cavities in predetermined ones of said layers of ceramic material ~~include respective cavities~~;

locating predetermined ones of said conductors ~~being located on~~ at least one of said layers below ~~at the~~ top layer of said stacked layers;

said predetermined ones of said conductors being accessible through said cavities for the bonding of said leads to said bonding metal layer applied to said conductors.

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (currently amended) The method of making aco-fired, multi-layer laminate ceramic structure according to Claim 1 wherein the predetermined type of co-fired ceramic material comprises ~~structure is a~~ low temperature co-fired ceramic (LTCC) material~~structure~~.